

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for scheduling and delivery of a product to a buyer
2 along ~~the buyer's~~ a commuting route, comprising:

3 receiving an order of a buyer's product from a buyer;

4 receiving commuting route information from the buyer by a server, the
5 commuting route information including a beginning address and an ending
6 address;

7 selecting from a plurality of pickup points a pickup point based on the
route information;

8 and dispatching a mobile pickup station to the pickup point, the mobile
9 pickup station containing a product ordered by the buyer;

10 and identifying a commuting route comprising selecting at least one
11 commuting route parameter and calculating by the server the commuting route
12 based on the commuting route parameter, the commuting route connecting the
13 beginning address and the ending address;

14 selecting a pickup point along the identified commuting route;

15 loading the buyer ordered product to a mobile pick up station;

16 dispatching the mobile pickup station to the selected pickup point, the
17 mobile pickup station containing the product ordered by the buyer; and

18 stationing the mobile pick up station at the pick up point, the mobile pick
19 up station being removable from the pick up point; whereby

the buyer may pick up the order from the mobile pick up station.

2. (currently amended) The method of claim 1, wherein selecting a pickup point further comprises:

receiving a channel width from the buyer;

4 calculating a channel area using the channel width and the route information;

6 determining a set of pickup points from the plurality of pickup points based on the channel area; and

8 selecting from the set of pickup points a pickup point.

3. (currently amended) The method of claim 1, wherein the plurality of pickup points is selecting a pick up point being further determined by using an approximate buyer route concentration based on route usage.

4. (currently amended) The method of claim 1, further comprising: receiving a plurality of routes from a plurality of buyers;

2 and determining the plurality of pickup points based on the plurality of routes.

4 receiving by the server commuting route information from a second buyer;

6 the second buyer commuting route information including a second buyer

beginning address and a second buyer ending address;

identifying a second buyer commuting route comprising selecting at least one second buyer commuting route parameter and calculating for the second buyer by the server a second buyer commuting route based on the second buyer commuting route parameter, the second buyer commuting route connecting the second buyer beginning address and the second buyer ending address;

generating by the server an overlapped route segment within the said identified commuting routes; and

5. (currently amended) The method of claim 4, further comprising:

receiving a specification of a plurality of the buyer's preferred products;
receiving an occurrence rate for each of the plurality of preferred products;
from the buyer by the server; and
ordering the a product for the buyer by the server using the occurrence rates specification.

6. (currently amended) The method of claim 4, further comprising reminding the buyer via email that a product delivery is scheduled at the pickup point.

7. (currently amended) The method of claim 1-4, further comprising reminding the buyer

2 telephonically that a product delivery is scheduled at the pickup point.

8. (currently amended) The method of claim 4, wherein:

2 the mobile pickup station includes a plurality of lockers for containing
products, each of the plurality of lockers having a unique access code; and
4 giving the buyer an access code for a locker containing the buyer's
product, the locker selected from the plurality of lockers.

Claims 9 and 10 (cancelled)

11. (currently amended) A method for scheduling and delivery of a product to a buyer by
2 a sellerserver using a third party seller affiliate, comprising:

4 receiving an order for a product from a buyer;
6 receiving a buyer's commuting route information from the buyer, said
commuting route information including a beginning address and an ending
address;

8 ~~selecting from a plurality of pickup points a pickup point based on the
route information;~~

10 ~~identifying a commuting route comprising selecting at least one
commuting route parameter and calculating by the server the commuting route
based on the commuting route parameter, the commuting route connecting the
beginning address and the ending address;~~

selecting a pickup point along the identified commuting route;

14 selecting a third party seller affiliate from a plurality of third party

sellers based on the location of the pickup point;

16 and loading the buyer ordered product to a mobile pick up station;

dispatching by the third party seller affiliate at the mobile pickup station to

18 the selected pickup point, the mobile pickup station containing the products
ordered by the buyer; and

stationing the mobile pick up station at the pick up point,-;

the mobile pick up station being removable from the pick up point;

22 whereby

the buyer may pick up the order from the mobile pick up station.

Claims 12 – 29 (cancelled)

30. (original) A method for scheduling and delivery of a product to a buyer along the buyer's commuting route, comprising:

receiving a buyer's commuting route information from the buyer, said

route information including a beginning address and an ending address:

receiving a channel width from the buyer:

calculating a channel area using the channel width and the route information:

determining a set of pickup points from a plurality of pickup points based

on the channel area;

10 selecting from the set of pickup points a pickup point; and

dispatching a mobile pickup station to the pickup point, the mobile

12 pickup station containing a product ordered by the buyer; and

stationing the mobile pick up station at the pick up point, the mobile pick

14 up station being removable from the pick up point; whereby

the buyer may pick up the order from the mobile pick up station.

31. (original) The method of claim 30, wherein the plurality of pickup points is
2 determined using an approximate buyer route concentration based on route usage.

32. (original) The method of claim 30, further comprising:

2 receiving a plurality of routes from a plurality of buyers; and

determining the plurality of pickup points based on the plurality of
4 routes.

33. (currently amended) A data processing system adapted to schedule and deliver a
2 product to a buyer along the buyer's a commuting route, comprising:

a processor; and

4 a memory operably coupled to the processor and having program
instructions stored therein, the processor being operable to execute the program
instructions, the program instructions including:
6

receiving an order of a buyer's product from a buyer;

8 receiving commuting route information from the buyer by a server, said
10 commuting route information including a beginning address and an ending
address;

12 selecting from a plurality of pickup points a pickup point based on the
route information;

14 and dispatching a mobile pickup station to the pickup point, the mobile
pickup station containing a product ordered by the buyer;

16 and stationing the mobile pick up station at the pick up point, the mobile
pick up station being removable from the pick up point;

18 where identifying a commuting route comprising selecting at least one
commuting route parameter and calculating by the server the commuting route
based on the commuting route parameter, the commuting route connecting the
20 beginning address and the ending address;

22 selecting a pickup point along the identified commuting route ;

24 loading the buyer ordered product to a mobile pick up station;

26 dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer ; and

28 stationing the mobile pick up station at the pick up point;

the mobile pick up station being removable from the pick up point;

whereby

28 the buyer may pick up the order from the mobile pick up station.

34. (original) The data processing system of claim 33, wherein the program
2 instructions for selecting a pickup point further include:

receiving a channel width from the buyer;

4 calculating a channel area using the channel width and the route
information;

6 determining a set of pickup points from the plurality of pickup points
based on the channel area;

8 selecting from the set of pickup points a pickup point.

35. (currently amended) The data processing system of claim 33, the program instructions
2 further including ~~determining the plurality of pickup points~~:

4 selecting a pick up point by using an approximate buyer route
concentration based on route usage.

36. (currently amended) The data processing system of claim 33, the program instructions
2 further including: ~~receiving a plurality of routes from a plurality of buyers;~~

4 ~~and determining the plurality of pickup points based on the plurality of
routes.~~

6 receiving by the server commuting route information from a second
buyer;

8 the second buyer commuting route information including a second buyer
beginning address and a second buyer ending address;

10 identifying a second buyer commuting route comprising selecting at least
one second buyer commuting route parameter and calculating for the second
buyer by the server a second buyer commuting route based on the second buyer
12 commuting route parameter, the second buyer commuting route connecting the
second buyer beginning address and the second buyer ending address;
14 generating by the server an overlapped route segment within the said
identified commuting routes; and
16 selecting a pickup point along the overlapped route segment.

37. (currently amended) The data processing system of claim 33 36, the program
2 instructions further including:

4 receiving a specification of a plurality of the buyer's preferred products;
from the buyer by the server;
6 receiving an occurrence rate for each of the plurality of preferred
products;
8 and
ordering the a product for the buyer by the server using the occurrence
rate specification .

38. (currently amended) The data processing system of claim 3336, the program
2 instructions further including reminding the buyer via email that a product delivery is
scheduled at the pickup point.

39. (currently amended) The data processing system of claim 3336, the program
2 instructions further including reminding the buyer telephonically that a product delivery
is scheduled at the pickup point.

Claims 40 and 41 (cancelled)

42. (currently amended) A data processing system adapted to schedule and deliver a
2 product to a buyer by a sellerserver using a third party seller affiliate, comprising:

4 a processor; and

6 a memory operably coupled to the processor and having program
instructions stored therein, the processor being operable to execute the program
instructions, the program instructions including:

8 receiving an order for a product from a buyer;

10 receiving ~~a buyer's~~ commuting route information from the buyer, said
route information including a beginning address and an ending address;

12 ~~selecting from a plurality of pickup points a pickup point based on the
route information;~~

14 identifying a commuting route comprising selecting at least one
commuting route parameter and calculating by the server the commuting route
based on the commuting route parameter, the commuting route connecting the
beginning address and the ending address;

16 selecting a pickup point along the identified commuting route;

selecting a third party seller affiliate from a plurality of third party sellers based on the location of the pickup point;

and loading the buyer ordered product to a mobile pick up station;

dispatching by the third party seller affiliate at the mobile pickup station to the selected pickup point, the mobile pickup station containing the products ordered by the buyer; and

and stationing the mobile pick up station at the pick up point,-;

the mobile pick up station being removable from the pick up point;

whereby

the buyer may pick up the order from the mobile pick up station.

Claims 43 - 70 (cancelled)

71. (currently amended) The method of claim 45, further comprising:

receiving a date from the buyer by the server; and

delivering the product by the server using a mobile pick station

according to the date.

72. (currently amended) The method for scheduling and delivery of a product to a buyer along the buyer's commuting route as set forth in claim 45, further comprising:

the buyer accessing a server via a communications network; and

receiving route information from the buyer by the server via the

communications network.

73. (currently amended) The method for scheduling and delivery of a product to a buyer by a sellerserver using a third party seller affiliate as set forth in claim 11, further comprising:

the buyer accessing the sellerserver via a communications network;

receiving an order for a product from a buyer by the sellerserver via the

communications network; and

receiving route information from a buyer by the sellerserver via the

communications network.

74. (currently amended) The data processing system adapted to schedulemethod for scheduling and deliverdelivery of a product to a buyer along the buyer's commuting route as set forth in claim 30-, further comprising:

the buyer accessing a server via a communications network;

receiving route information from the buyer by the server via the

communications network; and

receiving a channel width from the buyer by the server via the

communications network.

75. (currently amended) The data processing system of claim 3337, the program instructions further including:

4 receiving a date from the buyer by the server; and
delivering the product by the server according to the date.

76. (new) The method in claim 1 further comprising:

2 determining a station time, the station time starting at a specific time and
ending at a second specific time; and
4 stationing the mobile pick up station at the pick up point for the station
time;
6 the mobile pick up station being removable from the pick up point when
the station time ends;
8 releasing the product to the buyer only when the buyer presenting to the
mobile pick up point to pick up the product.

77. (new) The method of claim 76 wherein the station time ends when the buyer picks up
2 the product.

78. (new) The method in claim 76 wherein the buyer designating a third party recipient
2 and releasing the product to the third party recipient only when the third party recipient
presenting to the mobile pick up point to pick up the product.

79. (new) The method in claim 11 further comprising:

2 determining a station time, the station time starting at a specific time and

ending at a second specific time; and

4 stationing the mobile pick up station at the pick up point for the station
time;

6 the mobile pick up station being removable from the pick up point when
the station time ends;

8 releasing the product to the buyer only when the buyer presenting to the
mobile pick up point to pick up the product.

2 80. (new) The method of claim 79 wherein the station time ends when the buyer picks up
the product.

2 81. (new) The method in claim 79 wherein the buyer designating a third party recipient
and releasing the product to the third party recipient only when the third party recipient
presenting to the mobile pick up point to pick up the product.

2 82. (new) The data processing system of claim 33, wherein the program instructions
further include:

4 determining a station time, the station time starting at a specific time and
ending at a second specific time; and

6 stationing the mobile pick up station at the pick up point for the station
time;

the mobile pick up station being removable from the pick up point when

8 the station time ends;

10 releasing the product to the buyer only when the buyer presenting to the
mobile pick up point to pick up the product.

2 83. (new) The data processing system of claim 82, wherein the program instructions
further include:

the station time ends when the buyer picks up the product.

2 84. (new) The data processing system of claim 82 wherein the program instructions further
include:

4 the buyer designating a third party recipient and releasing the product to
the third party recipient only when the third party recipient presenting to the
mobile pick up point to pick up the product.

2 85. (new) The data processing system of claim 42, wherein the program instructions
further including:

4 determining a station time, the station time starting at a specific time and
ending at a second specific time; and

6 stationing the mobile pick up station at the pick up point for the station
time;

8 the mobile pick up station being removable from the pick up point when
the station time ends;

releasing the product to the buyer only when the buyer presenting to the
10 mobile pick up point to pick up the product.

86. (new) The data processing system of claim 85, wherein the program instructions
2 further including:

the station time ends when the buyer pick up the product.

87. (new) The data processing system of claim 85, wherein the program instructions
2 further including:

the buyer designating a third party recipient and releasing the product to
4 the third party recipient only when the third party recipient presenting to the
mobile pick up point to pick up the product.

88. (new) A method for scheduling and delivery of a product comprising:

2 receiving an order of a product from a buyer by a server;

receiving commuting route information from the buyer and at least one
4 other buyer;

each of the said commuting route information including a beginning
6 address and an ending address;

identifying for each buyer a commuting route comprising selecting at
8 least one commuting route parameter and calculating for the buyer by the server
the commuting route based on the commuting route parameter, the commuting

10 route connecting the buyer beginning address and the buyer ending address; .
generating by the server an overlapped route segment within the said
12 identified commuting routes;
selecting a pickup point along the overlapped route segment;
14 loading the buyer ordered product to a mobile pick up station;
dispatching the mobile pickup station to the selected pickup point, the
16 mobile pickup station containing the product ordered by the buyer; and
stationing the mobile pick up station at the pick up point;
18 the mobile pick up station being removable from the pick up point;
whereby
20 a buyer may pick up the order from the mobile pick up station.

89. (new) The method in claim 88 further comprising:

2 determining a station time, the station time starting at a specific time and
ending at a second specific time; and
4 stationing the mobile pick up station at the pick up point for the station
time;
6 the mobile pick up station being removable from the pick up point when
the station time ends;
8 releasing the product to the buyer when the buyer presenting to the
mobile pick up location to pick up the product.

90. (new) The method of claim 89 wherein the station time ends when the buyer picks up
2 the product.

91. (new) The method in claim 89 wherein the buyer designating a third party recipient
2 and releasing the product to the third party recipient when the third party recipient
presenting to the mobile pick up point to pick up the order.

92. (new) The method of claim 91, further comprising:

2 receiving a specification of the buyer's preferred products from the
buyer by the server; and
4 ordering a product for the buyer by the server using the specification.

93. (new) The method of claim 92, further comprising:

2 receiving a date from the buyer by the server; and
delivering the product by the server using a mobile pick station
4 according to the date.

94. (new) A data processing system adapted to schedule and deliver a product comprising:

2 a processor; and
a memory operably coupled to the processor and having program
4 instructions stored therein, the processor being operable to execute the program
instructions, the program instructions including:

6 receiving an order of a product from a buyer by a server;

8 receiving commuting route information from the buyer and at least one
other buyer;

10 each of the said commuting route information including a beginning
address and an ending address;

12 identifying for each buyer a commuting route comprising selecting at
least one commuting route parameter and calculating for the buyer by the server
the commuting route based on the commuting route parameter, the commuting
route connecting the buyer beginning address and the buyer ending address;

14 generating by the server an overlapped route segment within the said
identified commuting routes;

16 selecting a pickup point along the overlapped route segment;

18 loading the buyer ordered product to a mobile pick up station;

20 dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer; and

22 stationing the mobile pick up station at the pick up point;
the mobile pick up station being removable from the pick up point;

24 whereby
a buyer may pick up the order from the mobile pick up station.

95. (new) The data processing system of claim 94, wherein the program instructions
further include:

determining a station time, the station time starting at a specific time and

ending at a second specific time; and

stationing the mobile pick up station at the pick up point for the station

time;

the mobile pick up station removable from the pick up point when the

station time ends;

releasing the product to the buyer when the buyer presenting to the

mobile pick up location to pick up the product.

96. (new) The data processing system of claim 95 wherein the program instructions including:

the station time ends when the buyer picks up the product.

97. (new) The data processing system of claim 95 wherein the program instructions including:

the buyer designating a third party recipient and releasing the product to the third party recipient when the third party recipient presenting to the mobile pick up point to pick up the order.

98. (new) The data processing system of claim 97, the program instructions further including:

receiving a specification of the buyer's preferred products from the

4 buyer by the server; and

ordering a product for the buyer by the server using the specification.

99. (new) The data processing system of claim 98, the program instructions further
2 including:

receiving a date from the buyer by the server; and

4 delivering the product by the server using a mobile pick station
according to the date.

100. (new) The method of claim 78 wherein the station time ends when the third party
2 recipient picks up the product.

101. (new) The method of claim 81 wherein the station time ends when the third party
2 recipient picks up the product.

102. (new) The data processing system of claim 84, wherein the program instructions
2 further include:

the station time ends when the third party recipient picks up the product.

103. (new) The data processing system of claim 87, wherein the program instructions
2 further including:

the station time ends when the third party recipient pick up the product.

104. (new) The method of claim 91 wherein the station time ends when the third party
2 recipient picks up the product.

105. (new) The data processing system of claim 97 wherein the program instructions
2 including:

the station time ends when the third party recipient picks up the product.

106. (new) A method for scheduling and delivery of a product comprising:

2 receiving an order of a first product from a first buyer by a server;

4 receiving first commuting route information from said first buyer and
second commuting route information from a second buyer;

6 said first commuting route information including a first beginning
address and a first ending address;

8 said second commuting route information including a second beginning
address and a second ending address;

10 identifying for said first buyer a first commuting route comprising
selecting at least one first commuting route parameter and calculating for said
12 first buyer by said server said first commuting route based on said first
commuting route parameter, said first commuting route connecting said first
buyer beginning address and said first buyer ending address;

14 identifying for said second buyer a second commuting route comprising
selecting at least one second commuting route parameter and calculating for said

16 second buyer by said server said second commuting route based on said second
commuting route parameter, said second commuting route connecting said
second buyer beginning address and said second buyer ending address;

18 generating by said server an overlapped route segment between said first
and second identified commuting routes;

20 selecting a pickup point along said overlapped route segment;

22 loading said first buyer ordered product to a mobile pick up station;

24 dispatching said mobile pickup station to said selected pickup point, said
mobile pickup station containing said first product ordered by said first buyer;
and

26 stationing said mobile pick up station at said pick up point;
said mobile pick up station being removable from said pick up point;

28 whereby
said first buyer may pick up said order from said mobile pick up station.

107. (new) The method in claim 106 further comprising:

2 determining a station time, said station time starting at a specific time
and ending at a second specific time; and

4 stationing said mobile pick up station at said pick up point for said
station time;

6 said mobile pick up station being removable from said pick up point
when said station time ends;

8 . releasing said product to said first buyer when said first buyer arrives at
said mobile pick up location to pick up said product.

108. (new) The method of claim 107 wherein:

2 said station time ends when said first buyer picks up said product.

109. (new) The method in claim 107 wherein:

110. (new) The method of claim 109, further comprising:

2 receiving a specification of said first buyer's preferred products from
3
4 said first buyer by said server; and
5
6 ordering a product for said first buyer by said server using said
7 specification.

111. (new) The method of claim 110, further comprising:

2 receiving a date from said first buyer by said server; and
4 delivering said first product by said server using a mobile pick station
according to said date.

112. (new) The method of claim 109 wherein:

2 said station time ends when said third party recipient picks up said
product.

113. (new) A data processing system adapted to schedule and deliver a product comprising:

2 a processor; and

4 a memory operably coupled to said processor and having program
instructions stored therein, said processor being operable to execute said
program instructions, said program instructions including:

6 receiving an order of a first product from a first buyer by a server;

8 receiving first commuting route information from said first buyer and
second commuting route information from a second buyer;

10 said first commuting route information including a first beginning
address and a first ending address;

12 said second commuting route information including a second beginning
address and a second ending address;

14 identifying for said first buyer a first commuting route comprising
selecting at least one first commuting route parameter and calculating for said
first buyer by said server said first commuting route based on said first
commuting route parameter, said first commuting route connecting said first
buyer beginning address and said first buyer ending address;

18 identifying for said second buyer a second commuting route comprising

selecting at least one second commuting route parameter and calculating for said
20 second buyer by said server said second commuting route based on said second
commuting route parameter, said second commuting route connecting said
22 second buyer beginning address and said second buyer ending address;

generating by said server an overlapped route segment between said first
24 and second identified commuting routes;

selecting a pickup point along said overlapped route segment;

26 loading said first buyer ordered product to a mobile pick up station;

dispatching said mobile pickup station to said selected pickup point, said
28 mobile pickup station containing said first product ordered by said first buyer;
and

30 stationing said mobile pick up station at said pick up point;

said mobile pick up station being removable from said pick up point;

32 whereby

said first buyer may pick up said order from said mobile pick up station.

114. (new) The data processing system of claim 113, wherein said program instructions
2 further include:

determining a station time, said station time starting at a specific time
4 and ending at a second specific time; and

stationing said mobile pick up station at said pick up point for said
6 station time;

8 said mobile pick up station removable from said pick up point when said
station time ends;

10 releasing said product to said first buyer when said first buyer arrives at
said mobile pick up location to pick up said product.

115. (new) The data processing system of claim 114 wherein said program instructions
2 including:

 said station time ends when said first buyer picks up said product.

116. (new) The data processing system of claim 114 wherein said program instructions
2 including:

4 said first buyer designating a third party recipient and releasing said
product to said third party recipient when said third party recipient arrives at
said mobile pick up point to pick up said order.

117. (new) The data processing system of claim 116, said program instructions further
2 including:

4 receiving a specification of said first buyer's preferred products from
said buyer by said server; and

6 ordering a product for said first buyer by said server using said
specification.

118. (new) The data processing system of claim 117, said program instructions further
2 including:

receiving a date from said first buyer by said server; and

4 delivering said product by said server using a mobile pick station
according to said date.

119. (new) The data processing system of claim 116 wherein said program instructions
2 including:

4 said station time ends when said third party recipient picks up said
product.